

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A micro-fabricated chip, comprising:
a stationary structure; and
~~a movable structure having a gimbal structure, the gimbal structure allowing pitch and roll motion of the movable structure with respect to the stationary structure by a microactuator structure~~
a movable structure attached to the stationary structure, the movable structure comprising:
a gimbal structure contacting the stationary structure;
a microactuator structure attached to the gimbal structure and the stationary structure, the microactuator structure configured to move the gimbal structure in pitch and roll directions; and
a slider attached to the gimbal structure such that the microactuator structure moves the movable structure and hence the slider in the pitch and roll directions with respect to the stationary structure.

2. (Currently Amended) The micro-fabricated chip according to claim 1, wherein the gimbal structure includes a dimple ~~surface~~ making a rolling-type contact with the stationary structure.

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) The micro-fabricated chip according to claim 8 2, wherein the movable structure moves in a rotational direction with respect to the stationary structure.

10. (Original) The micro-fabricated chip according to claim 8 2, wherein the movable structure moves in a translational direction with respect to the stationary structure.

11. (Currently Amended) A suspension for a disk drive, comprising:
a load beam;
a micro-fabricated chip comprising: ~~having a stationary structure and a movable structure having a gimbal structure, the stationary structure being attached to the load beam and the gimbal structure allowing pitch and roll motion of the movable structure with respect to the stationary structure by a microactuator structure; and~~
~~a slider attached to the movable structure~~

a stationary structure attached to the load beam;

a movable structure attached to the stationary structure, the moveable structure comprising:

a gimbal structure contacting the stationary structure;

a microactuator structure attached to the gimbal structure and the stationary structure, the microactuator structure configured to move the gimbal structure in pitch and roll directions; and

a slider attached to the gimbal structure such that the microactuator structure moves the movable structure and hence the slider in the pitch and roll directions with respect to the stationary structure.

12. (Currently Amended) The suspension according to the claim 11, wherein the gimbal structure includes a dimple ~~surface~~ making a rolling-type contact with the stationary structure.

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Currently Amended) The suspension of claim ~~48~~ 12 wherein the movable structure and the slider move in a rotational direction with respect to the stationary structure.

20. (Currently Amended) The suspension according to claim 48 12, wherein the movable structure moves in a translational direction with respect to the stationary structure.

21. (Cancelled)

22. (Currently Amended) A disk drive, comprising:

a suspension having a load beam;

a micro-fabricated chip comprising: having a stationary structure and a movable structure having a gimbal structure, the stationary structure being attached to the load beam and the gimbal structure allowing pitch and roll motion of the movable structure with respect to the stationary structure by a microactuator structure; and
~~—— a slider attached to the movable structure~~

a stationary structure attached to the load beam;

a movable structure attached to the stationary structure, the moveable structure comprising:

a gimbal structure contacting the stationary structure;

a microactuator structure attached to the gimbal structure and the stationary structure, the microactuator structure configured to move the gimbal structure in pitch and roll directions; and

a slider attached to the gimbal structure such that the microactuator structure moves the movable structure and hence the slider in the pitch and roll directions with respect to the stationary structure.

23. (Currently Amended) The disk drive according to claim 22, wherein the gimbal structure includes a dimple ~~surface~~ making a rolling-type contact with the stationary structure.

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Currently Amended) The disk drive according to claim ~~29~~ 23, wherein the movable structure and the slider move in a rotational direction with respect to the stationary structure.

31. (Original) The disk drive according to claim ~~29~~ 23, wherein the movable structure moves in a translational direction with respect to the stationary structure.

32. (Cancelled)